

①⑫

**EUROPEAN PATENT APPLICATION**

②① Application number: **87302019.2**

⑤① Int. Cl.<sup>4</sup>: **E 01 F 9/08**

②② Date of filing: **10.03.87**

③⑩ Priority: **11.03.86 JP 54347/86**

④③ Date of publication of application:  
**16.09.87 Bulletin 87/38**

⑧④ Designated Contracting States:  
**AT CH DE ES FR GB IT LI SE**

⑧⑧ Date of deferred publication of search report:  
**13.07.88 Bulletin 88/28**

⑦① Applicant: **SEIBU POLYMER KASEI KABUSHIKI KAISHA**  
also trading as **SEIBU POLYMER CHEMICAL COMPANY**  
**LIMITED**  
**5-26, 2-Chome, Kami-Ikebukuro**  
**Toshima-ku Tokyo (JP)**

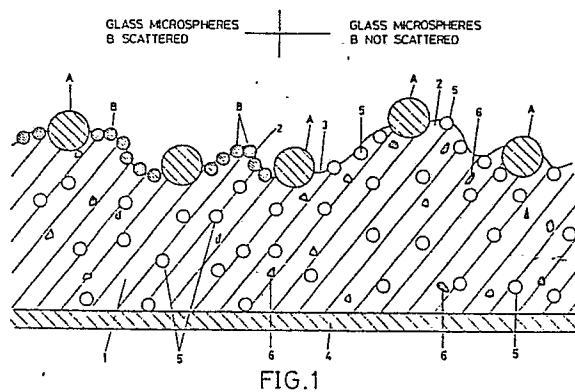
⑦② Inventor: **Ishihara, Yuji**  
**1869-16, Inubushi Kami-cho**  
**Sano-shi Tochigi-ken (JP)**

**Ijichi, Koichi**  
**53, Yoneyama Minami-cho**  
**Sano-shi Tochigi-ken (JP)**

⑦④ Representative: **Votier, Sidney David et al**  
**CARPMAELS & RANSFORD 43, Bloomsbury Square**  
**London WC1A 2RA (GB)**

⑤④ **All-weather type pavement marking sheet material.**

⑤⑦ In an all-weather type pavement marking sheet material, glass microspheres having refractive index of 1.5 - 1.9 (A) and glass microspheres having refractive index of 2.0 - 2.4 (B) are embedded mixedly and at least partially in a portion of a base sheet (1) made of rubber, synthetic resin or the like. This portion (S) is formed at intervals in the longitudinal direction of the base sheet or continuously in the longitudinal direction of the base sheet in a part of the base sheet as viewed in the transverse direction of the base sheet. The pavement marking sheet material has an excellent visibility during night and particularly when it is raining.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.3)
Y,A	EP-A-0 101 084 (EIGENMANN) * page 4, line 30 - page 5, line 3; figure 1 * ----	1,8	E 01 F 9/04 E 01 F 9/08
Y,A	US-A-3 915 771 (GATZKE et al.) * column 1, line 27 - column 3, line 65; figure * ----	1,2,4	
A	DE-U-7 713 988 (MINNESOTA MINING AND MANUFACTURING CO.) * page 6, paragraph 2 - page 14; figure * ----	1,2,4	
A	AT-B- 307 282 (EIGENMANN) * whole document * ----	1,2	
A	DE-A-1 784 541 (PRISMO SAFETY CORP.) * page 4 - page 8, paragraph 2; figures 1-5 * ----	1,8	
A	US-A-3 215 051 (GILL) * column 2, lines 64-70; figures 1,2 * ----	1,9	TECHNICAL FIELDS SEARCHED (Int. Cl.3)
A	GB-A-1 107 799 (TARKETT AB) * claim 1; figures 1,2 * ----	1,5	E 01 F 9/00
A	US-A-4 388 359 (ETHEN et al.) * column 2, line 38 - column 4, line 31; figure * ----	1,5	
A	DE-A-2 117 765 (EIGENMANN) * claims 1-4 * ----	1,2	
A	US-A-4 069 281 (EIGENMANN) * column 3, line 31 - column 6, line 41; figures 1-11 * ----- -/-	1,6	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 21-03-1988	Examiner PAETZEL H-J
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
D,A	JP-A-60 238 505 * figures 1-8 * -----	1
		CLASSIFICATION OF THE APPLICATION (Int. Cl.3)
		TECHNICAL FIELDS SEARCHED (Int. Cl.3)
The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner
BERLIN	21-03-1988	PAETZEL H-J
<b>CATEGORY OF CITED DOCUMENTS</b>		
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document		